

Appl. No. 10/731,496
Amdt. dated January 10, 2006
Reply to Office action of July 12, 2005

AMENDMENTS TO THE CLAIMS

The listing of claims will amend prior versions of the claims in the application:

Listing of Claims

Claim 1 (currently amended)

An orienter for use in a drilling tool assembly, whereby said drilling tool assembly comprises of a steering system means, drilling motor means, orienter means, and drill bit means, and said orienter comprising:

means for connection to a the output end of said drilling motor, said drilling motor including a drive shaft for transmitting rotary power, and connecting to drive shaft of orienter;

a clutch mechanism located within orienter constructed and arranged for transmitting rotary power from said drive shaft when actuated

a rotatable housing, located within orienter, including a bent portion surrounding said drive shaft;

a speed reduction system located between said clutch mechanism and said rotatable housing,

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whereby when said clutch mechanism is actuated, rotary power from said drive shaft is transmitted through said clutch mechanism, through said speed reduction system to rotate said rotatable housing;

and said drive shaft of orienter connected to said drill bit to delivery output rotary power.

Claim 2-4 (original)

Claim 5 (currently amended)

The system as defined in Claim 1 further including a steering guidance system means within said rotatable housing.

Claim 6-15 (original)